

## Viewing data exported from the NUIX environment

The purpose of this Demo USB Stick is to provide an example of a Nuix export in order to help the undertaking to become familiar with the viewing of the exported data.

### A. Software setting of your computer

You must be able to read compressed files in the ".ZIP" format. Usually in Microsoft Windows from the version 7 and up it is a built-in feature and you can open them in File Explorer. In Apple MacOS X this is also a built-in feature in the File Manager. For Linux users, or other operating systems, please contact your IT support to ensure that your computer can be used for the viewing procedure.

### B. The viewing procedure:

Electronic searches are done with the Nuix platform.

Periodically, a collection of potential relevant data is exported from the Nuix platform and stored as an encrypted ".ZIP" archive file. In addition to the archive file with the potential relevant data, the system also generate an MD5 hash value<sup>1</sup> of the complete archive(s) file(s) and this will be stored in a ".CVS" formatted file (similar to .XLS format), or in one or several ".TXT" files. The compressed file and ".CVS" file or the ".TXT" file (with the MD5 hash value) are both copied on a data carrier (DVD, USB stick or an external hard drive).

A list of exported documents is produced along with every export. The list of documents includes the name, the path, the date and an ID number for each exported document.

In order to view the documents exported, please use the "Report.html" file. Using the hyperlinks (pointing to the local copies on the data carrier) in the list, you are able to see the documents that are supposed to be brought back to DG COMP.

Once the list of documents considered as relevant for the DG COMP team is finalized, the content of the data carrier (i.e., the archive file and the file with MD5 hash value) is burned on a DVD. There are three authentic copies produced on the spot. One of the copies is handed over to the undertaking and two will be brought to DG COMP.

Finally, the paper version of the "Report.html" is signed by both the representatives of the undertaking and the DG COMP team leader.

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<sup>1</sup> A hash value is an algorithm that is unique for any combination of digits on whatever support. If somebody changes afterwards one single dot in the data container, this will change the hash value. It is therefore a guarantee that, as long as there is the same hash value, the container contains identical data.

### **C. Start the DEMO<sup>2</sup>**

Please make sure that you can open encrypted ".ZIP" files on your computer (See Section A). Depending on your system configuration, please use the "Outlook environment" or the "Non Outlook environment" file. Please copy one of those files to your computer.

1. Copy the file to your computer
2. Extract the content of the compressed .ZIP file into a folder of your choice on your computer
3. If requested for a password, enter "demo"
4. Open the "Report.html" file

You have opened the 'document list' from which you can view every document by double-clicking the link. The document also shows for each document the Name, Pathname, date and a unique "Item ID" number generated automatically by the system.

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<sup>2</sup> The data used in this demonstration USB Stick is based on the public available Enron Email Data Set produced by ZL Technologies, Inc. (<http://www.zlti.com>). This Data Set is licensed under a Creative Commons Attribution 3.0 United States License <<http://creativecommons.org/licenses/by/3.0/us/>>.